

Abstract

The invention relates to a machine for rough-planing and planning functional elements of crankshafts or camshafts by rotating and/or milling, fitted with two spindle heads which are arranged in the alignment of the axis of rotation of the respectively machined crankshaft or camshaft at a reciprocal distance from each other corresponding to the length of the crankshaft or camshaft and which can be driven at different at different speeds of rotation, respectively provided with a lining and a back center which is integrated into each of the linings. According to the invention, the spindle heads (3 and 4) can be driven directly and are provided with supports (12, 20) which can be displaced in a direction X and Z at a respectively reciprocal distance and which respectively comprise a rotatingly driven milling tool (13), in addition to two supports (15, 21) which are respectively provided with at least one rotating tool (17). The milling and rotating tools are located in diametrically opposite positions in relation to the common axis of rotation of the spindle heads.